Contents

Marine Chemistry, Volume 47 (1994)

| Research Papers | |
|---|-----|
| Determination of trace levels of dimethylsulfoxide (DMSO) in seawater and rainwater | |
| R.P. Kiene, G. Gerard | . 1 |
| Fiber optic spectrometers for in-situ measurements in the oceans: the ZAPS Probe | |
| G.P. Klinkhammer | |
| Protein adsorption from seawater onto solid substrata: II. Behavior of bound protein and its influence on interfacia | 1 |
| properties | 21 |
| G.T. Taylor, P.J. Troy, M. Nullet, S.K. Sharma, B.E. Liebert | 21 |
| Determination of complexation of iron(III) with natural organic complexing ligands in seawater using cathodic stripping voltammetry | |
| M. Gledhill, C.M.G. van den Berg | 41 |
| HTCO method for dissolved organic carbon analysis in seawater: influence of catalyst on blank estimation | |
| G. Cauwet | 55 |
| Sorption and sorption reversibility of Cd on calcite under simulated riverine, estuarine and marine conditions | |
| R.D. van der Weijden, C.H. van der Weijden, R.N.J. Comans | 65 |
| Vertical distribution of cadmium in marginal seas of the western Pacific Ocean | |
| Su-Cheng Pai, Hung-Yu Chen. | 81 |
| Technical Note | |
| XAD-fractionation of "new" dissolved organic matter: is the hydrophobic fraction seriously underestimated? | |
| R.J. Lara, D.N. Thomas | 93 |
| Research Papers | |
| Cycling of some low molecular weight volatile fatty acids in a permanently anoxic estuarine basin | |
| H. Wu, M.I. Scranton | 97 |
| An improved head-space analysis method for methane in seawater | 71 |
| S. Lammers, E. Suess | 115 |
| Fluorescence spectroscopy of coastal and marine waters | 113 |
| M.M. De Souza Sierra, O.F.X. Donard, M. Lamotte, C. Belin, M. Ewald | 127 |
| Trace metal distribution, partition and fluxes in the Seine estuary (France) in low discharge regime | 121 |
| JF. Chiffoleau, D. Cossa, D. Auger, I. Truquet | 145 |
| Iodide and iodate concentrations in eastern Australian subtropical waters, with iodide by ion chromatography | 143 |
| A.R. McTaggart, E.C.V. Butler, P.R. Haddad, J.H. Middleton | 150 |
| Observations on nutrient elements and sulphate in atmospheric wet depositions over the northwest Pacific coastal | 137 |
| Observations on nutrient elements and sulphate in atmospheric wet depositions over the northwest Facilic coastain | į. |
| oceans — Yellow Sea J. Zhang, M.G. Liu. | 172 |
| J. Zhang, M.G. Liu. | 1/3 |
| Preface | 191 |
| Rabin Sen Gupta — a biography | |
| M D Kumar S W A Nagyi | 193 |

| Alkalinity and total carbonate in the Arabian Sea. Carbonate depletion in the Red Sea and Persian Gulf | |
|---|-----|
| L. Anderson, D Dyrssen | 195 |
| Aluminium in the northwestern Indian Ocean (Arabian Sea) | |
| S. Upadhyay, R. S. Gupta | 203 |
| Distribution of minor elements in the shelf and deep sea sediments of the northern Arabian Sea | |
| D. Satyanarayana, Y. Venkata Ramana | 215 |
| ²¹⁰ Pb based trace element fluxes in the nearshore and estuarine sediments off Bombay, India | |
| P. Sharma, D.V. Borole, M.D. Zingde | 227 |
| A study of the carbon dioxide system in the northern Indian Ocean during premonsoon | |
| M.D. George, M.D. Kumar, S.W.A. Naqvi, S. Banerjee, P.V. Narvekar, S.N. de Sousa, D.A. Jayakumar | 243 |
| Ammonium ion and organic phosphorus as major in-situ contributors to dissolved fluorescence of the near | |
| northwestern Bay of Bengal | |
| N.S. Sarma, I.N. Rao, K. Annapurna | 255 |
| Nitrous oxide in the western Bay of Bengal | |
| S.W.A. Naqvi, D.A. Jayakumar, M. Nair, M.D. Kumar, M.D. George | |
| Hydrochemistry of the Bay of Bengal: possible reasons for a different water-column cycling of carbon and nitrogen | L |
| from the Arabian Sea | |
| C.K. Rao, S.W.A. Naqvi, M.D. Kumar, S.J.D. Varaprasad, D.A. Jayakumar, M.D. George, S.Y.S. Singbal. | 279 |
| Uranium isotopes in the Hooghly estuary, India | |
| B.L.K. Somayajulu | 291 |